

Umetco Minerals Corporation

AUG 5 1986



PO BOX 66 137 47th STREET • NIAGARA FALLS NEW YORK 14302

July 31, 1986

Dr. F. J. Bradley
Principal Radiophysicist
New York State Department of Labor
Division of Safety and Health
Radiological Health Unit
One Main Street - Room 813
Brooklyn, NY 11201

Subject: Umetco Mineral Corporation
Niagara Falls, NY

Dear Dr. Bradley.

Low level radioactive vanadium bearing slag and ilmenite referred to in my letter to you of May 15, 1986 has been disposed of at the SCA Hazardous Waste Disposal Site. A copy of the Waste Manifest form and the approved invoices are enclosed

Very truly yours,

Dr. D. J. Hansen

mau/
Enclosures

cc Messrs:

- ✓ J. F. Frost
- T. J. Kagetsu
- R. F. Kelly
- F. V. McMillen
- D. G. Millenbruch

UCCNHT0003330

Umetco Minerals Corporation



PO BOX 578 4625 ROYAL AVENUE • NIAGARA FALLS NEW YORK 14302

May 15, 1986

Dr. F. J. Bradley
Principle Radiophysicist
New York State Department of Labor
Room 813
One Main Street
Brooklyn, NY 11202

Subject Umetco Minerals Corporation, Niagara Falls, NY

Dear Dr Bradley

In our phone conversation of Tuesday, May 13 we discussed disposal of two low level radioactive materials that were discovered in a radiation survey of the Umetco property in Niagara Falls, NY. The first was illmenite sand (an iron titanium ore) that had been used to backfill a 10' x 10' concrete pit. The second was an isolated quantity of slag (calcium-aluminum oxide) from the furnacing of ferrovanadium. The illmenite sand was removed from the pit and currently is contained in 125 (one hundred twenty-five) 55-gallon drums. I would estimate total weight at approximately 40 to 50 tons. The slag is in lumps in a pile that I would estimate to contain 50 to 75 tons. Analyses of the materials are presented in the following Table 1.

TABLE 1

Radiochemical Analyses of Samples From the Niagara Plant

<u>Description</u>	<u>Analyses</u>				
	<u>URANIUM SERIES</u>			<u>THORIUM SERIES</u>	
	<u>Uranium</u> <u>µg/g</u>	<u>Th-230</u> <u>pCi/g</u>	<u>Ra-226</u> <u>pCi/g</u>	<u>Th-232</u> <u>pCi/g</u>	<u>Th-228</u> <u>pCi/g</u>
Illmenite Sand - Top of Pit	28.9	12±2	19±2	16±2	17±2
Illmenite Sand - 7' in Pit	44.3	22±2	31±3	37±2	39±3
Dark Slag-Yard East of Fce. Bldg	20.2	299±7	4.4±1.1	16±2	4±9
Light Slag-Yard East of Fce. Bldg	18.6	466±9	7.0±1.4	37±3	14±2

Industrial Code Rule 38, Table 5 "Limits for Uncontrolled Areas" limits source material to 0.05 percent by weight (500 µg/g or 500 ppm). For Thorium 232 this converts to 55 pCi/g. The concentrations of Th-232 reported in picocuries in Table 1 were converted to µg/g and added to the weight of Uranium to determine the total source material present. This is shown in Table 2.

UCCNHT0003331

The gamma radiation measured at the surface during excavation of the pit and within the slag pile is also reported in Table 2.

TABLE 2

Weight of Source Material

<u>Sample</u>	<u>Uranium μg/g</u>	<u>Th-232 μg/g</u>	<u>Total Source Material μg/g</u>	<u>Gamma Radiation μR/hr*</u>
Illmenite-Top of Pile	28 9	145.5	174.4	170
Illmenite-7' In Pit	44 3	336.4	380.7	150
Dark Slag	20.2	145 5	165 7	150
Light Slag	18.6	336 4	355.0	200

*Ludlum Model 19 Micro R Meter - Reading at Surface

As we discussed the total source material in both materials is less than 500 μg/g, the limit for uncontrolled areas and the radiation is less than 250 μR, the limit for fixed surface contamination

Although technically the material was not sufficiently radioactive to be controlled you convinced me that it was not a good idea to use it to fill a low area in the yard. If this were done then a rider would have to be appended to the lease that would restrict future building. Since this is not an attractive option I propose to dispose of both the slag and illmenite in a local hazardous waste repository.

Unless I misunderstood, you did not voice an objection to this during our phone conversation. Therefore, I plan to immediately begin the paper work to initiate this course of action. However I will not remove anything from the property before June to allow you time to reconsider. I will not expect to hear from you unless you disapprove.

I enjoyed talking to you on Monday and I want to thank you again for the assistance you provided

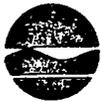
Sincerely



D. J. Hansen
Assistant Director - Technology

cc: Messrs.
R. F. Kelly
R. G. Beverly
F. V. McMillen

Blind Copies: Messrs:
J. F. Frost
T. J. Kagetsu
D. G. Millenbruch
R. L. Miller
W. D. Smith
C. T. Wentzel



STATE OF NEW YORK
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF SOLID AND HAZARDOUS WASTE

HAZARDOUS WASTE MANIFEST

P O Box 12820, Albany, New York 12212

Form Approved OMB No 2000-0404 Expires 7 31 86

Please print or type

UNIFORM HAZARDOUS WASTE MANIFEST		1 Generator's US EPA No WYD094171154	Manifest Document No	2 Page 1 of 1	Information in the shaded areas is not required by Federal Law	
3 Generator's Name and Mailing Address UMETCO MINERALS CORP 137 47TH ST NIAGARA FALLS, N.Y. 14303		6 US EPA ID Number WYD051809952		A State Manifest Document No NY A 399273 6		
4 Generator's Phone (716) 278-3573		7 Transporter 1 (Company Name) BUFFALO FUEL CORP.		B Generator's ID SAME		
5 Transporter 2 (Company Name)		8 US EPA ID Number		C State Transporter's ID MS0403 NY		
9 Designated Facility Name and Site Address SPA CHEMICAL SERVICES 1550 BALMAINER RD MIDDCITY, NY 14107		10 US EPA ID Number WYD049836679		D Transporter's Phone (716) 773-4211		
				E State Transporter's ID		
				F Transporter's Phone ()		
				G State Facility's ID		
				H Facility's Phone (716) 754-8231		
11 US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)		12 Containers	13 Total Quantity	14 Unit	15 Waste No.	
a HAZARDOUS WASTE SOLID AQS OKM-E NA9189		No. 44			0005 0007 0009	
b						
c						
d						
J Additional Descriptions for Materials listed Above		K. Handling Codes for Wastes Listed Above				
a Titanium Oxide		a <input checked="" type="checkbox"/> b <input type="checkbox"/> c <input type="checkbox"/> d <input type="checkbox"/>				
b		b <input type="checkbox"/> c <input type="checkbox"/> d <input type="checkbox"/>				
15 Special Handling Instructions and Additional Information F60593 WO 106739 INVOICE Tech Service All drums 55 gal						
16 GENERATOR'S CERTIFICATION I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and state laws and regulations. Unless I am a small quantity generator who has been exempted by statute or regulation from the duty to make a waste minimization certification under Section 3002 (b) of RCRA, I also certify that I have a program in place to reduce volume and toxicity of waste generated to the degree I have determined to be economically practicable and I have selected the method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment.						
Printed/Typed Name Albert M Gomes		Signature <i>Albert M Gomes</i>		Mo Day Year 1 6 19 86		
17 Transporter 1 (Acknowledgement of Receipt of Materials)						
Printed/Typed Name JULIAN GIFFS-LIER		Signature <i>Julian Giff's-Lier</i>		Mo Day Year 1 6 19 86		
18 Transporter 2 (Acknowledgement or Receipt of Materials)						
Printed/Typed Name		Signature		Mo Day Year		
19 Discrepancy Indication Space						
20 Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19						
Printed/Typed Name Donna J Ames		Signature <i>Donna J Ames</i>		Mo Day Year 06 20 86		

In case of emergency or spill immediately call the National Response Center (800) 424-8802 and the N.Y. Department of Transportation (518) 457-7382

NYA 399273 6

STATE OF NEW YORK
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF SOLID AND HAZARDOUS WASTE
HAZARDOUS WASTE MANIFEST
P O Box 12820, Albany, New York 12212

Form Approved OMB No 2000-0404 Expires 7 31 86

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UNIFORM HAZARDOUS WASTE MANIFEST		1 Generator's US EPA No NY0094171154	Manifest Document No	2 Page 1 of 1	Information in the shaded areas is not required by Federal Law
3 Generator's Name and Mailing Address UNITED Minerals Corporation 137-47th St MINEVILLE, NY 14303		6 US EPA ID Number NY0051809952		A State Manifest Document No NY A 399272 5	
4 Generator's Phone (716) 278 3373		7 Transporter 1 (Company Name) BUFFALO FUEL CORP.		B Generator's ID SAME	
5 Transporter 1 (Company Name) BUFFALO FUEL CORP.		8 US EPA ID Number		C State Transporter's ID NY04635 N.Y	
7 Transporter 2 (Company Name)		10 US EPA ID Number		D Transporter's Phone (716) 773-421	
9 Designated Facility Name and Site Address SOA Chemical Service 1550 Dalton Road Model City, N.Y. 14101		10 US EPA ID Number NY0049836679		E State Transporter's ID	
9 Designated Facility Name and Site Address		10 US EPA ID Number		F Transporter's Phone ()	
9 Designated Facility Name and Site Address		10 US EPA ID Number		G State Facility's ID	
9 Designated Facility Name and Site Address		10 US EPA ID Number		H Facility's Phone (716) 754 8231	
11 US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)		12 Containers No.	13 Total Quantity	14 Unit Wt/Vol	1 Waste No.
a HAZARDOUS Waste Solid, NOS OR11-E NA 9189		036	0700M30000P		0005 0007 0009
b					
c					
d					
J Additional Descriptions for Materials listed Above Iron filament Oxide		K Handling Codes for Wastes Listed Above a <input checked="" type="checkbox"/> L b <input type="checkbox"/> c <input type="checkbox"/> d <input type="checkbox"/>			
b					
15 Special Handling Instructions and Additional Information a F 60593		b WO 106738 c Invoice Tech Service d All Units 25 Gallons			
16 GENERATOR'S CERTIFICATION I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and state laws and regulations. Unless I am a small quantity generator who has been exempted by statute or regulation from the duty to make a waste minimization certification under Section 3002 (b) of RCRA, I also certify that I have a program in place to reduce volume and toxicity of waste generated to the degree I have determined to be economically practicable and I have selected the method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment.					
Printed/Typed Name Albert M. Gomas		Signature <i>Albert M. Gomas</i>		Mo Day Year 11 6 1986	
17 Transporter 1 (Acknowledgement or Receipt of Materials)		Signature <i>Clarence E. Yancey Jr</i>		Mo Day Year 11 6 1986	
Printed/Typed Name Clarence E. Yancey Jr		Signature		Mo Day Year	
18 Transporter 2 (Acknowledgement or Receipt of Materials)		Signature		Mo Day Year	
Printed/Typed Name		Signature		Mo Day Year	
19 Discrepancy Indication Space					
20 Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19					
Printed/Typed Name PHYLLIS A CONWELL		Signature <i>Phyllis A. Conwell</i>		Mo Day Year 10 6 1986	

In case of emergency or spill immediately call the National Response Center (800) 424-8802 and the N.Y. Department of Transportation (518) 457-7362

NYA 399272 5



DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF SOLID AND HAZARDOUS WASTE
HAZARDOUS WASTE MANIFEST
P O Box 12820, Albany, New York 12212

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UNIFORM HAZARDOUS WASTE MANIFEST		1 Generator's US EPA No NY10094171154		Manifest Document No	2 Page 1 of 1	Information in the shaded areas is not required by Federal Law	
3 Generator's Name and Mailing Address UMETCO MINERALS CORP. 137-47th STREET MAY 10 FLD, NY 14303				A State Manifest Document No NY A 359270 3		B Generator's ID Same	
4 Generator's Phone (76) 278-3573		6 US EPA ID Number NY10051809952		C State Transporter's ID 562288		D Transporter's Phone (76) 7731921	
5 Transporter 1 (Company Name) Buffalo Fuel Company		8 US EPA ID Number		E State Transporter's ID		F Transporter's Phone ()	
7 Transporter 2 (Company Name)		10 US EPA ID Number		G State Facility's ID Same		H Facility's Phone (716) 254-8231	
9 Designated Facility Name and Site Address SLA Chemical Services 1550 Balmer Road MORRISTOWN, NY 14107				12 Containers		13 Total Quantity	14 Unit Wt/Vol
11 US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)				No.	Type		Waste No.
a Hazardous Waste Solid NOS ORME NA 9124				001	DT	0020T	P120
b							
c							
d							
J Additional Descriptions for Materials listed Above				K Handling Codes for Wastes Listed Above			
a FL0590				a <input checked="" type="checkbox"/>		c <input type="checkbox"/>	
b				b <input type="checkbox"/>		d <input type="checkbox"/>	
15 Special Handling Instructions and Additional Information w/o 106734							
16 GENERATOR'S CERTIFICATION I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified packed marked and labeled and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and state laws and regulations Unless I am a small quantity generator who has been exempted by statute or regulation from the duty to make a waste minimization certification under Section 3002 (b) of RCRA I also certify that I have a program in place to reduce volume and toxicity of waste generated to the degree I have determined to be economically practicable and I have selected the method of treatment storage or disposal currently available to me which minimizes the present and future threat to human health and the environment							
Printed/Typed Name Albert M Gonas				Signature <i>Albert M Gonas</i>		Mo Day Year 6 1 8 8 6	
17 Transporter 1 (Acknowledgement of Receipt of Materials)				Signature <i>Jeff Rehm</i>		Mo Day Year 06 18 86	
Printed/Typed Name Jeff Rehm				Signature		Mo Day Year	
18 Transporter 2 (Acknowledgement or Receipt of Materials)				Signature		Mo Day Year	
Printed/Typed Name				Signature		Mo Day Year	
19 Discrepancy Indication Space Actual qty rec'd 42,000 lbs							
20 Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19							
Printed/Typed Name PHYLLIS A. CONWELL				Signature <i>Phyllis A Conwell</i>		Mo Day Year 06 18 86	

In case of emergency or spill immediately call the National Response Center (800) 424-8802 and the N.Y. Department of Transportation (518) 457-7382

GENERATOR

TRANSPORTER

FACILITY

NYA 399270 3



STATE OF NEW YORK
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF SOLID AND HAZARDOUS WASTE
HAZARDOUS WASTE MANIFEST
P O Box 12820, Albany, New York 12212

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In case of emergency or spill immediately call the National Response Center (800) 424-8802 and the N.Y. Department of Transportation (516) 457-7362

UNIFORM HAZARDOUS WASTE MANIFEST		1 Generator's US EPA No NYD0941711541	Manifest Document No	2 Page 1 of 1	Information in the shaded areas is not required by Federal Law	
3 Generator's Name and Mailing Address UMETCO Mineral Corp 137-47th Street, Niagara Falls, NY 14303		6 US EPA ID Number NYD051809952		A. State Manifest Document No NY A 399265 7		
4 Generator's Phone (716) 278-3573		8 US EPA ID Number		B. Generator's ID SAME		
5 Transporter 1 (Company Name) Buffalo Fuel Company		10 US EPA ID Number		C. State Transporter's ID W04972		
7 Transporter 2 (Company Name)		12 Containers		D. Transporter's Phone (716) 773-1721		
9 Designated Facility Name and Site Address SCA Chemical Services 100 E. Miller Road Middletown, NY 11077		13 Total Quantity		E. State Transporter's ID		
10 US EPA ID Number NYD049236679		14 Unit Wt/Vol		F. Transporter's Phone ()		
11 US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number) a Hazardous Waste solid, NO₂ ORME NA 9129		No. Type		G. State Facility's ID SAME		
		001 DT 00020 T P120		H. Facility's Phone (716) 754-8231		
J. Additional Descriptions for Materials listed Above F60590		K. Handling Codes for Wastes Listed Above		L. Waste No.		
		a <input checked="" type="checkbox"/> b <input type="checkbox"/> c <input type="checkbox"/> d <input type="checkbox"/>		P120		
15 Special Handling Instructions and Additional Information w/o 106735						
16 GENERATOR'S CERTIFICATION I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and state laws and regulations. Unless I am a small quantity generator who has been exempted by statute or regulation from the duty to make a waste minimization certification under Section 3002 (b) of RCRA, I also certify that I have a program in place to reduce volume and toxicity of waste generated to the degree I have determined to be economically practicable and I have selected the method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment.						
Printed/Typed Name Albert M. Gonas		Signature <i>Albert M. Gonas</i>		Mo Day Year 6 18 86		
17 Transporter 1 (Acknowledgement of Receipt of Materials)		Printed/Typed Name E. Wilson		Signature <i>E. Wilson</i>		
18 Transporter 2 (Acknowledgement or Receipt of Materials)		Printed/Typed Name E. Wilson		Signature <i>E. Wilson</i>		
19 Discrepancy Indication Space Actual qty rec'd 68,880 lbs		Printed/Typed Name PHYLLIS A. CONWELL		Signature <i>Phyllis A. Conwell</i>		
20 Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19		Printed/Typed Name PHYLLIS A. CONWELL		Signature <i>Phyllis A. Conwell</i>		
				Mo Day Year 06/18/86		



STATE OF NEW YORK
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF SOLID AND HAZARDOUS WASTE
HAZARDOUS WASTE MANIFEST
P O Box 12820, Albany, New York 12212

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UNIFORM HAZARDOUS WASTE MANIFEST		1 Generator's US EPA No <i>NY1004917115H</i>	Manifest Document No	2 Page 1 <i>1</i>	Information in the shaded areas is not required by Federal Law							
3 Generator's Name and Mailing Address <i>UMETLOM, INC., CORPORATION 137-47th STREET NY 14303</i>			A State Manifest Document No <i>NY A 399262 4</i>		B Generator's ID <i>Same</i>							
4 Generator's Phone <i>716 278-2573</i>			C State Transporter's ID <i>T 1113</i>		D Transporter's Phone <i>716 78-1121</i>							
5 Transporter 1 (Company Name) <i>Buffalo Fuel Company</i>		6 US EPA ID Number <i>NY10051809922</i>		E State Transporter's ID		F Transporter's Phone						
7 Transporter 2 (Company Name) <i>Buffalo Fuel Company</i>		8 US EPA ID Number		G State Facility's ID <i>Same</i>		H Facility's Phone <i>716 754-8231</i>						
9 Designated Facility Name and Site Address <i>SCACHEM WASTE SERVICES 1550 BALMER ROAD MADRID CITY NY 14107</i>			10 US EPA ID Number <i>NY10049836679</i>		12 Containers		13 Total Quantity		14 Unit		Waste No	
11 US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)			No.		Type		Quantity		Unit		Waste No	
a <i>Hazardous waste Sol of NOS ORME NA 9189</i>			0.01		DT		0.02		P		P120	
b												
c												
d												
J Additional Descriptions for Materials listed Above			K Handling Codes for Wastes Listed Above									
a <i>FGOS 90</i>			L <input checked="" type="checkbox"/>									
b			d <input type="checkbox"/>									
15 Special Handling Instructions and Additional Information <i>w/10 106733</i>												
16 GENERATOR'S CERTIFICATION I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and state laws and regulations. Unless I am a small quantity generator who has been exempted by statute or regulation from the duty to make a waste minimization certification under Section 3002 (b) of RCRA, I also certify that I have a program in place to reduce volume and toxicity of waste generated to the degree I have determined to be economically practicable and I have selected the method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment.												
Printed/Typed Name <i>Albert M Gomez</i>				Signature <i>Albert M Gomez</i>				Mo Day Year <i>6 1 8 8 6</i>				
17 Transporter 1 (Acknowledgement of Receipt of Materials)												
Printed/Typed Name <i>John Weaver</i>				Signature <i>John Weaver</i>				Mo Day Year <i>06 1 8 8 6</i>				
18 Transporter 2 (Acknowledgement or Receipt of Materials)												
Printed/Typed Name				Signature				Mo Day Year				
19 Discrepancy Indication Space <i>Actual qty rec'd 40,500 lbs</i>												
20 Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19												
Printed/Typed Name <i>Phyllis A Conwell</i>				Signature <i>Phyllis A Conwell</i>				Mo Day Year <i>06 1 8 8 6</i>				

In case of emergency or spill immediately call the National Response Center (800) 424-8802 and the N.Y. Department of Transportation (518) 457-7362

NY A 399262 4



STATE OF NEW YORK
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
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HAZARDOUS WASTE MANIFEST
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UNIFORM HAZARDOUS WASTE MANIFEST		1 Generator's US EPA No NYD094V71154	Manifest Document No	2 Page 1 of	Information in the shaded areas is not required by Federal Law
3 Generator's Name and Mailing Address UMETCO MINERALS CORP. 137-47TH ST NIAGARA FALLS, N.Y. 14303			A. State Manifest Document No NY A 399275-8		
4 Generator's Phone (716) 278-3232			B. Generator's ID SAME		
5 Transporter 1 (Company Name) SCA CHEMICAL NY US EPA ID Number 836679 BUFFALO HAZARDOUS SERVICES NYD051809957			C. State Transporter's ID 369729VM		
7 Transporter 2 (Company Name)			D. Transporter's Phone (716) 773-1421		
9 Designated Facility Name and Site Address SCA CHEMICAL SERVICES 1550 BALMER RD MODEL CITY, N.Y. 14107			E. State Transporter's ID		
10 US EPA ID Number WYD049836679			F. Transporter's Phone ()		
11 US DOT Description (Including Proper Shipping Name Hazard Class and ID Number)			G. State Facility's ID		
12 Containers			H. Facility's Phone 716 754-8031		
13 Total Quantity			14 Unit Wt/Vol		
15 Waste No			L		
a	HAZARDOUS WASTE SOLIDS NOS ORM-E NA9189		10 DM	8000 P	D005 D007 D009
b					
c					
d					
J Additional Descriptions for Materials listed Above			K. Handling Codes for Wastes Listed Above		
a IRON TITANIUM OXIDE			a <input checked="" type="checkbox"/> b <input type="checkbox"/> c <input type="checkbox"/> d <input type="checkbox"/>		
b			b <input type="checkbox"/> c <input type="checkbox"/> d <input type="checkbox"/>		
15 Special Handling Instructions and Additional Information W O. 106806 F 60593					
16 GENERATOR'S CERTIFICATION I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and state laws and regulations. Unless I am a small quantity generator who has been exempted by statute or regulation from the duty to make a waste minimization certification under Section 3002 (b) of RCRA, I also certify that I have a program in place to reduce volume and toxicity of waste generated to the degree I have determined to be economically practicable and I have selected the method of treatment, storage or disposal currently available to me which minimizes the present and future threat to human health and the environment.					
Printed/Typed Name Albert M. Gonzales		Signature <i>Albert M. Gonzales</i>		Mo Day Year 10 6 12 08 6	
17 Transporter 1 (Acknowledgement of Receipt of Materials)					
Printed/Typed Name PHILIP W RUESER		Signature <i>Philip W. Rueser</i>		Mo Day Year 06 20 06	
18 Transporter 2 (Acknowledgement or Receipt of Materials)					
Printed/Typed Name		Signature		Mo Day Year	
19 Discrepancy Indication Space					
20 Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19					
Printed/Typed Name Lynn Piechowski		Signature <i>Lynn Piechowski</i>		Mo Day Year 06 20 06	

In case of emergency or spill immediately call the National Response Center (800) 424 8802 and the N.Y. Department of Transportation (518) 457 7362



STATE OF NEW YORK
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF SOLID AND HAZARDOUS WASTE

HAZARDOUS WASTE MANIFEST

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UNIFORM HAZARDOUS WASTE MANIFEST		1 Generator's US EPA No NYD094171154		Manifest Document No		2 Page 1 of		Information in the shaded areas is not required by Federal Law		
3 Generator's Name and Mailing Address: UMETCO MINERALS CORP 137 97TH ST NIAGARA FALLS, NY 14303						A State Manifest Document No NY A 399274 7				
4 Generator's Phone (716 278-3232)						B Generator's ID SAME				
5 Transporter 1 (Company Name) BUFFALO FUEL				6 US EPA ID Number NYD051809952		C State Transporter's ID NY4635 N.Y.		D Transporter's Phone (716 773 1921)		
7 Transporter 2 (Company Name)				8 US EPA ID Number		E State Transporter's ID		F Transporter's Phone ()		
9 Designated Facility Name and Site Address SCA CHEMICAL SERVICES 1550 BALMER HW MUDCC CITY, N.Y. 14107						10 US EPA ID Number NYD049836679		G State Facility's ID		
11 US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)						12 Containers		13 Total	14 Unit	1 Waste No.
a HAZARDOUS WASTE SOLID NOS ORM-E NA 9189						No. Type 36 DM		Quantity 300.00	Wt/Vol P	Waste No. 0005 0007 0009
b										
c										
d										
J Additional Descriptions for Materials listed Above IRON TITANIUM OXIDE						K Handling Codes for Wastes Listed Above				
a						a <input checked="" type="checkbox"/> b <input type="checkbox"/> c <input type="checkbox"/> d <input type="checkbox"/>				
b						b <input type="checkbox"/> c <input type="checkbox"/> d <input type="checkbox"/>				
15 Special Handling Instructions and Additional Information W O. 106 805 F 60593										
16 GENERATOR'S CERTIFICATION I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified packed marked and labeled and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and state laws and regulations Unless I am a small quantity generator who has been exempted by statute or regulation from the duty to make a waste minimization certification under Section 3002 (b) of RCRA I also certify that I have a program in place to reduce volume and toxicity of waste generated to the degree I have determined to be economically practicable and I have selected the method of treatment storage or disposal currently available to me which minimizes the present and future threat to human health and the environment										
Printed/Typed Name Albert M Gonas				Signature <i>Albert M Gonas</i>		Mo Day Year 1 6 2 0 8 6				
17 Transporter 1 (Acknowledgement of Receipt of Materials) Printed/Typed Name Clarence E Yancey Jr				Signature <i>Clarence E Yancey Jr</i>		Mo Day Year 1 6 2 0 8 6				
18 Transporter 2 (Acknowledgement of Receipt of Materials) Printed/Typed Name				Signature		Mo Day Year				
19 Discrepancy Indication Space										
20 Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19 Printed/Typed Name PHYLLIS A CONWELL						Signature <i>Phyllis A Conwell</i>		Mo Day Year 1 6 2 0 8 6		

In case of emergency or spill immediately call the National Response Center (800) 424-8802 and the N Y Department of Transportation (518) 457 7362

NYA 359274 7



SCA
 CHEMICAL WASTE MANAGEMENT, INC.
 TECHNICAL SERVICE
 P.O. Box 200
 Model City, New York 14107

net 30 days
 ALL PAST DUE AMOUNTS WILL BEAR INTEREST AT TWO PERCENT PER MONTH OR THE MAXIMUM RATE ALLOWED BY LAW WHICHEVER IS LESS

Umetco Minerals Corporation
 Accounting Department
 P.O. Box 1029
 Grand Junction, Colorado 81502

CUSTOMER ACCOUNT NUMBER		
Ref. Cont. #250-07117		
INVOICE NUMBER	INVOICE DATE	PAGE
00556	6/20/86	

Disposal of 75.69 tons of vanadium slag removed from the Umetco site located at 137 47th St., Niagara Falls, NY on June 18, 1986

*Approved for payment
 Hoffman 7/3/86
 Charge # 34522-20351*



REMIT TO ADDRESS  P.O. Box 8000 Dept. 660
 Buffalo NY 14267

PLEASE PAY THIS AMOUNT  \$13,548 00

(PLEASE RETURN THIS COPY WITH YOUR REMITTANCE)



SCA Chemical Services Inc
Model City Facility
P O Box 200
1550 Balmer Road
Model City New York 14107
716/754-8231

June 20, 1986

UMETCO MINERALS CORPORATION
Accounting Department
P.O. Box 1029
Grand Junction, Colorado 81502

Reference Cont.: #250-07117

Chemical Waste Management wishes to submit an invoice of \$13,548.00 for the disposal of 75.69 tons of vanadium slag removed from the Umetco site located at 137 47th Street, Niagara Falls, New York, on June 18, 1986

Attached please find three weight tickets verifying the tonnage of slag disposal at SCA/Chemical Waste Management, Model City, New York.

Sincerely,

SCA CHEMICAL SERVICES, INC.
MODEL CITY FACILITY

A handwritten signature in black ink, appearing to read 'Gary Shirley', is written over the typed name.

Gary Shirley
Technical Service Manager

RECEIVED
REGISTERED

JUL 11 1986

UNION CITY

GS sls

161-270

RECEIVED
JUN 26 1986

UCCNHT0003341



SCA
 CHEMICAL WASTE MANAGEMENT, INC
 TECHNICAL SERVICE
 P O Box 200
 Model City, New York 14107

net 30 days
 ALL PAST DUE AMOUNTS WILL BEAR IN
 INTEREST AT TWO PERCENT PER MONTH OR
 THE MAXIMUM RATE ALLOWED BY LAW
 WHICHEVER IS LESS

Umetco Minerals Corporation
 Accounting Department
 P.O. Box 1029
 Grand Junction, Colorado 81502

CUSTOMER ACCOUNT NUMBER		
P.O. #250-07117		
INVOICE NUMBER	INVOICE DATE	PAGE
00558	6/30/86	

Disposal of 125 drums of Illmenite removed from Umetco site located
 at 137 47th Street, Niagara Falls, New York on 6/19/86 and 6/20/86

Handwritten:
 125 drums
 7-21-86

PAID
 JUL 11 1986

REMIT TO ADDRESS  P O Box 8000 Dept 660
 Buffalo, New York 14267

PLEASE PAY THIS AMOUNT  \$14,200

(PLEASE RETURN THIS COPY WITH YOUR REMITTANCE)



SCA Chemical Services Inc
Model City Facility
P O Box 200
1550 Balmer Road
Model City, New York 14107
716/754-8231

June 30, 1986

Umetco Minerals Corporation
Accounting Department
P.O. Box 1029
Grand Junction, Colorado 81502

Dear Sir.

Chemical Waste Management wishes to submit an invoice of \$14,200.00 against P.O #250-07117 for the disposal of 125 drums of Ilmenite, (Hazardous Waste Chemical), removed from the Umetco site located at 137 47th Street, Niagara Falls, New York, on 6/19/86 and 6/20/86.

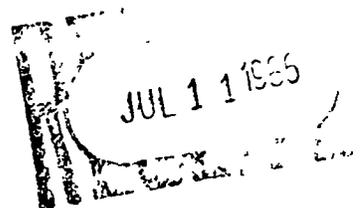
Please do not hesitate to contact me if I can be of further assistance.

Sincerely,

SCA CHEMICAL SERVICES, INC.
MODEL CITY FACILITY


Gary Shirley
Technical Service Manager

GS.sls



UCCNHT0003343